

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

CLIMBING ROSE PLANT NAMED

'POULyc008'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrida*

VARIETY DENOMINATION

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'Poulyc008'

10 The present invention constitutes a new and distinct  
variety of garden rose plant of the climber class, which  
originated from a controlled crossing between the female  
seed parent, an un-named seedling, and the male pollen  
parent 'Poulurt', described and illustrated in U.S. Plant  
Patent application No. 9,637 dated September 3, 1996. The  
two parents were crossed during the summer of 1992 and the  
resulting seeds were planted in a controlled environment in  
15 Fredensborg, Denmark. The new variety is named 'Poulyc008'.

The new variety may be distinguished from its female  
seed parent, by the following combination of  
characteristics:

1. Flowers of the seed parent are more orange  
20 in color than flowers of 'Poulyc008'.
2. The seed parent has larger leaves and  
leaflets than 'Poulyc008'.

The new variety may be distinguished from its male  
pollen parent, 'Poulurt' by the following combination of  
25 characteristics:

1. As the sepals divide, flower petals of 'Poulurt' are Yellow-Orange Group 15A. Petals of 'Poulyc008' are Orange-Red Group 32c to 34B.
- 5 2. While the pollen parent 'Poulurt' has a petal color, upon opening, of Yellow-Orange 15A at top ½ of petal with petal facing to Yellow-Orange Group 15C at base; the same of 'Poulyc008' is Orange Group 24C with  
10 intonations of Yellow Group 11B.
3. While the pollen parent 'Poulurt' has a flower diameter of about 45 mm; the same characteristic of 'Poulyc008' is 35 mm.

The objective of the hybridization of this rose variety  
15 was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant yellow-orange flowers;
  2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;
  - 20 3. Disease resistance;
  4. Reduced apical dominance in flowering habit.
- The new variety produces flowers evenly from the lower branches to the top of the plant.

This combination of qualities is not present in  
25 previously available commercial cultivars of this type,

known to the inventors, and distinguish 'Poulyc008' from all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the  
5      aforementioned hybridization during winter of 1991 and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

'Poulyc008' was selected in the spring of 1992 by the inventors as a single plant from the progeny of the  
10     aforementioned hybridization.

Asexual reproduction of 'Poulyc008' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in July, 1992. This initial and other subsequent  
15     asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'Poulyc008' are true to type and are transmitted from one generation to the next.

#### 20                   BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers,  
25     leaves, and stems, of 'Poulyc008'. Specifically illustrated

in the drawing:

Fig 1.1; Open flower from above, cluster of open  
flowers showing branching, and the  
attachment of leaves, buds, and  
5 peduncles;

Fig 1.2; Flower bud closed, flower bud as sepals  
unfold, and partially open;

Fig 1.3; Flower petals, detached;

Fig 1.4; Sepals, receptacle, and peduncle;

10 Fig 1.5; Juvenile leaf exhibiting anthocyanin;

Fig 1.6; Mature leaf;

Fig 1.7; Bare stems exhibiting thorns.

#### DETAILED DESCRIPTION OF THE VARIETY

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The following is a description of 'Poulyc008', as  
observed in its growth in in a field nursery in Jackson  
County, Oregon. Observed plants are 3 years of age, and  
were grown on *Rosa multiflora* understock. Color references  
20 are made using the Royal Horticultural Society (London,  
England) Colour Chart, 1995, except where common terms of  
color are used.

For a comparison, several physical characteristics of  
the rose variety 'Poulhult', a rose variety from the same  
25 inventors described and illustrated in U.S. Plant Patent

Application No.10/267,547 dated October 8, 2002, are compared to 'Poulyc008' in Chart 1.

CHART 1

	'Poulyc008'	'Poulhult'
General Tonality of Open Flower	Yellow-Orange 14C	Yellow Group 11C
Petal Count	25 to 30 petals	18 to 20 petals
Flower Diameter	35 mm	55 to 60 mm

FLOWER AND FLOWER BUD

Blooming habit: Continuous.

Flower bud:

Size: Upon opening, 18 mm in length from base of receptacle to end of bud.

Bud diameter is 9 mm.

Bud form: Broad based pointed ovoid.

Bud color: As sepals unfold, petals are Orange-Red Group 32C to 34B. At  $\frac{1}{4}$  opening petals are Orange-Red Group 32C.

Sepals:

Upper Surface:

Color: Yellow-Green Group 145B.

Surface: Slightly pubescent.

5 Lower Surface:

Color: Yellow-Green Group 144B.

Anthocyanic pigments the color of Greyed-Purple Group 183A observed.

10 Texture: Smooth with medium quantity of stipitate glands.

Sepal Shape: Sepal apex is cirrhose.

Base is flat at union with receptacle.

15 Sepal Margin: Margins have medium foliaceous appendages on three of the five sepals.

Size: 22 mm long by 6 mm wide.

Receptacle:

20 Texture: Smooth and glaucous.

Shape: Pear shaped.

Size: 5 mm (h) x 5 mm (w).

Color: Yellow-Green Group 144A.

Anthocyanic pigments the color of Greyed-Purple Group

25

184A observed.

**Peduncle:**

Surface: Stipitate glands is medium  
quantity observed.

5 Length: 15 mm average length.

Color: Yellow-Green Group 144C.  
Anthocyanic pigments the  
color of Greyed-Red Group  
182A observed.

10 Strength: Somewhat strong.

Borne: Clusters of 13 to 15 flower  
buds per stem. Reduced  
apical dominance in flower  
habit causes flower buds  
15 develop evenly from the base  
of the plant to the upper  
branches.

**Flower bloom:**

Fragrance: Light floral scent.

20 Duration: The blooms have a duration  
on the plant of  
approximately 10 to 14 days.  
Petals fall cleanly away  
from plant after flowers  
25 have fully matured.



Size: Flower diameter is 35 mm  
when open. Flower depth is  
17 mm.

Form:

5 General: Rosette.

Side View:

Upon opening, upper part: Flat.

Upon opening, lower part: Flat.

10 Open flower, upper part: Flat.

Open flower, lower part: Concave.

Petalage: Average range is 25 to 30 petals  
under normal conditions with 6  
15 petaloids.

Color:

Upon opening, petals:

Outermost petals:

Outer side: Orange Group 24C with  
20 intonations of Yellow Group  
11B.

Inner Side: Yellow Group 10C.

Innermost petals:

Outer side: Orange Group 24C to Yellow  
25 Group 10B.

Inner Side: Yellow Group 10A.

Upon opening, basal petal spots:

5 No distinctive coloration at  
the petal base observed.

After opening, petals:

Outermost petals:

Outer side: Orange Group 24D to Yellow  
Group 5D.

10 Inner Side: Yellow Group 5D.

Innermost petals:

Outer side: Yellow Group 5D with light  
intonations of Orange Group  
24D.

15 Inner Side: Yellow Group 5D.

After opening, basal petal spots:

No distinctive coloration at  
the petal base observed.

20 **General Tonality:** On open flower Yellow-Orange  
Group 14C. No change in the  
general tonality at the end  
of the 14<sup>th</sup> day. Afterwards,  
general tonality changes to  
25 Yellow Group 5D.

**Petals:**

	Petal Reflex:	Somewhat reflexed.
	Margin:	Weak undulations of margin observed.
5	Shape:	Apex is rounded. Base is acute.
	Size:	24 mm (l) x 18 mm (w).
	Texture:	Smooth.
	Thickness:	Average.
10	Arrangement:	Not Formal.

**Petaloids:**

	Quantity:	4 to 7.
	Shape:	Apex is rounded. Base is acute.
15	Color:	
	Upper surface:	Yellow Group 5D.
	Lower surface:	Yellow Group 5D with light intonations of Orange Group 24D.
20	Size:	18 mm (l) x 7 mm (w).

**Reproductive Organs:**

	Pollen:	None observed.
	Anthers:	
25	Size:	2 mm in length.

	Color:	Yellow-Orange Group 15A.
	Quantity:	61 (actual count).
	Filaments:	
	Color:	Yellow Group 9B.
5	Length:	4 mm.
	Pistils:	
	Length:	4 mm.
	Quantity:	43 (actual count).
10	Stigmas:	Superior relative to the length of the filaments and the height of the anthers.
	Color:	Yellow Group 11A.
	Styles:	
	Color:	Red Group 46C.
15	Hips:	None Observed in the field nursery in Jackson County Oregon.

#### PLANT

20	Plant growth:	Vigorous climbing, upright to bushy.
		When grown as a budded field grown plant on <i>Rosa multiflora</i> understock, the average height of the plant is 150 25 to 200 cm. Average spread is 90 cm.

**Stems:**

Color:

Young wood: Yellow-Green Group 144B.

5 Older wood: Yellow-Green Group 144B.

Surface Texture:

Young wood: Smooth.

Older wood: Smooth.

**Thorns:**

10 Incidence: 9 thorns per 10 cm of stem.

Size:                      Average length: 10 mm.

Color: Greyed-Purple Group 185A.

Shape:                      Deeply concave

15            **Plant foliage:**            Normal number of leaflets on  
normal leaves in middle of  
the stem: 7 leaflets.

Compound Leaf size: 80 mm (l) x 45 mm (w).

Color:

20 Mature Foliage:

Upper surface is Yellow Green

Group 147A to Green Group 137A.

Lower surface is Yellow Green

Group 146B.

25 Juvenile foliage:

Upper surface is Yellow Green  
Group 144A to Green Group 137A.  
Lower surface is Yellow Green  
Group 144A.

5 Anthocyanin:

Location: Rachis, margins of juvenile  
leaflets.

Color: Greyed-Purple Group 187B.

10 Plant leaves and leaflets:

Stipules:

Size: 20 mm in length.

Quantity: 2 per compound leaf.

15 Shape: Linear, slightly broad based  
with outward extending  
apices.

Margins: Finely serrated with medium  
occurrence of stipitate  
glands.

20 Color: Yellow-Green Group 146A.

Petiole:

Length: 20 mm.

Color: Yellow-Green Group 146A.

25 Observations: Few stipitate glands and  
thorns observed.

Rachis:

Length: 35 mm.

Color: Yellow-Green Group 146A.

Leaflet:

5 Edge: Finely Serrated.

Size: 25 to 30 mm (l) x 15 to 18  
mm (w).

Shape: Ovate. Apex is acute to  
mucronate.

10 Texture: Smooth.

Thickness: Thick.

Arrangement: Odd pinnate.

Venation: Reticulate.

Glossiness: Glossy.

15

Disease resistance:

Above average resistance to mildew, rust, black spot,  
and Botrytis under normal growing conditions in Jackson  
County, Oregon.

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Cold Hardiness:

The variety 'Poulyc008' has been found to be cold  
tolerant to USDA Cold Hardiness Zone 6.